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FORM PTO-1390
(REV. 7-2005)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER
8907-109-999

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (if known: see 37 CFR 1.5)

10/560157

INTERNATIONAL APPLICATION NO.
PCT/EP2004/051068

INTERNATIONAL FILING DATE
June 9, 2004

PRIORITY DATE CLAIMED
June 9, 2003

TITLE OF INVENTION
MUTATIONS IN THE SLC40A1 GENE ASSOCIATED TO IMPAIRED IRON HOMEOSTASIS

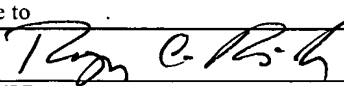
APPLICANT(S) FOR DO/EO/US
Antonello Pietrangelo

Applicant herewith submits to the United States Designated/ Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The U.S. has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 20. below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☒ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter 2 and 37 CFR 1.821- 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: (1) a courtesy copy of International Publication No. 2004/111268; (2) a copy of Italian Application No. MI2003A001156, the contents of which are incorporated by reference in its entirety; and (3) **An Unexecuted Oath Or Declaration Of The Inventor**

US APPLICATION NO. 10/560157 <small>(known as 37 CFR 1.5)</small>		INTERNATIONAL APPLICATION NO. PCT/EP2004/051068		ATTORNEY'S DOCKET NUMBER 8907-109-999	
The following fees are submitted:					
21. <input checked="" type="checkbox"/> Basic national fee				\$300.00	
22. <input checked="" type="checkbox"/> Examination fee.....				\$200.00	
Was the Written Opinion prepared by the ISA/USPTO or did the International Preliminary Examination Report prepared by the USPTO indicate that all filed claims in this U.S. application satisfy provisions of PCT Article 33(1)-(4) (i.e., novelty, inventive step and industrial capability)?					
<input type="checkbox"/> i) Yes (\$0.00).....					
<input checked="" type="checkbox"/> ii) No (\$200.00).....					
23. <input checked="" type="checkbox"/> Search fee.....				\$400.00	
Did the Written Opinion of the ISA/USPTO or the International preliminary examination report prepared by the USPTO indicate that all claims satisfy provisions of PCT Article 33(1)-(4) (i.e., novelty, inventive step and industrial capability)?					
<input type="checkbox"/> i) Yes (\$0.00).....					
ii) If no:					
<input type="checkbox"/> (a) A Search Fee has been paid on the international application to the USPTO as an International Search Authority. (\$100.00).....					
<input checked="" type="checkbox"/> (b) An International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB. (\$400.00).....					
<input type="checkbox"/> (c) All other situations (\$500.00).....					
TOTAL OF CALCULATIONS =				\$	\$900.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing of computer programs listing filed in electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets -100	Extra Sheets 0 /50	Number of each additional 50 or fraction thereof (round up to a whole number).	RATE x 250.00		\$0.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				\$	\$0.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE X		
Total Claims	54 - 20	34	x \$50.00		\$1700.00
Independent Claims	4 - 3	1	x \$200.00	=	\$200.00
<input checked="" type="checkbox"/> MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ 360.00		\$360.00
TOTAL OF ABOVE CALCULATIONS=				=	\$ 3160.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 50%				- \$	\$0.00
SUBTOTAL =				\$	\$3160.00
Surcharge of \$130.00 for furnishing the English Translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					\$0.00
TOTAL NATIONAL FEE				=	\$ 3160.00
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 0 x \$40.00 per property				\$	\$0.00
TOTAL FEES ENCLOSED				=	\$ 3160.00
				Amount to be refunded:	
				charged:	
a. <input type="checkbox"/> A check in the amount of \$ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> This is an estimate of the fees due. Please charge Deposit Account No. 50-3013 to cover the required fees. A copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3013. A copy of this sheet is enclosed.					
Note: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.					
24. <input checked="" type="checkbox"/> All correspondence for this application should be mailed to		JONES DAY		20583	
25. <input type="checkbox"/> All telephone inquiries should be made to					
Roger C. Rich for Nikolaos C. George (Reg. 39,201)				54,398 REG. NO.	DECEMBER 9, 2005 DATE
NAME		SIGNATURE			

EXTREMELY URGENT

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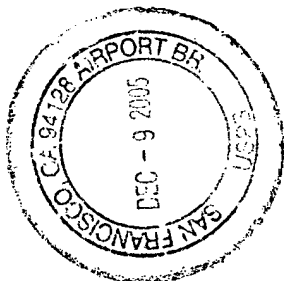
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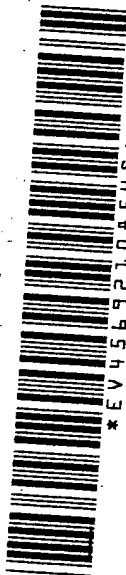
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